

Work Order ID 148487

148487

Page 1

Monday, July 04, 2016 7:49:06 AM

Item ID: D5294-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 1" Snap Hook
 Start Date: 7/8/2016 Start Qty: 60.00 ***60*** Cust Item ID:
 Required Date: 7/15/2016 Req'd Qty: 60.00 ***60*** Customer:
 Reference:

Approvals: Process Plan: DAS 21 Date: JUL 05 2016 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D5294	A								
100	PURCHASING	0.00				60	JUL 08 2016	DAS 13 9-89	
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>32957</u>								
	Possible Supplier: CTS								
	Description: 1" snap hook								
	Supplier P/N: 18460								
	C OF C is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging									

60 16-7-12 SP

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER :			
Misidentified ☐	☐	Past Due ☐	☐				

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Item ID: D5294-1 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: 1" Snap Hook
 Start Date: 7/8/2016 Start Qty: 60.00 *60* Cust Item ID:
 Required Date: 7/15/2016 Req'd Qty: 60.00 *60* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120						60			
QC	Memo	0.00							
Quality Control									JUL 25 2016
130	Identify as per dwg & Stock Location: SH42	0.00							DAS 6 9-89
130						60			
Packaging	Memo	0.00							
Packaging									JUL 26 2016
140	QC21- Final Inspection - Work Order Release	0.00							DAS 21 9-89
140									
QC	Memo	0.00							
Quality Control									JUL 26 2016

DAS
21
9-89

JUL 26 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

Picklist Print

Monday, July 04, 2016 7:49:10 AM

Page 1

Work Order ID: 148487

148487

Parent Item: D5294-1

D5294-1

Parent Item Name: 1" Snap Hook

Start Date: 7/8/2016

Required Date: 7/15/2016

Start Qty: 60.00

Required Qty: 60.00

Comments: IPP REV:A 15.09.29 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
18460 *18460* 1" Snap Hook		Purchased		No			Each	0.0000		60			
										**	60X 50/6-7/2 SP		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

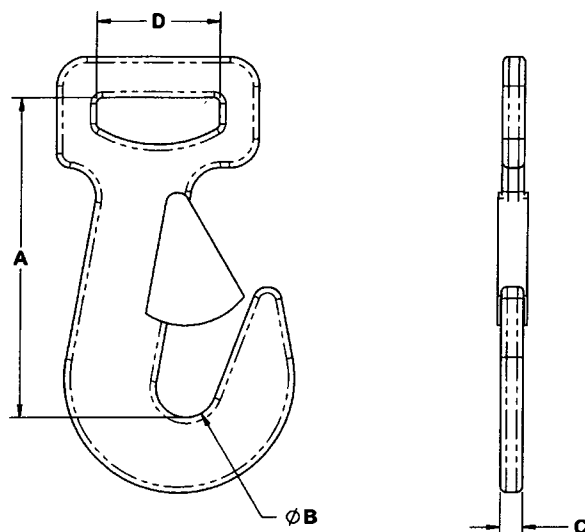
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

SPECIFICATION CONTROL DRAWING



D5294-X SNAP HOOK

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 148487 M.C.S.
1607-05



DART P/N	DESCRIPTION	VENDOR	VENDOR P/N	A	B	C	D	MATERIAL	BREAKING STRENGTH	WEIGHT
D5294-1	1" SNAP HOOK	C.T.S.	18460	2.76	0.47	0.14	1.06	STEEL	3000 LBS	0.21 LBS

RELEASED
2015-09-08
SW 15-628

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: SEE TABLE

APPROVED

A		NEW ISSUE		DB	15.09.01
REV.	DESCRIPTION			BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			REV. A
DRAWN	DB				
CHECKED	AP	DRAWING NO. D5294			SHEET 1 OF 1
MFG. APPR.	DD	TITLE			SCALE
APPROVED	WM	SNAP HOOK			NTS
DE APPR.	DS	DATE 15.09.01			

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32957

Purchase Order Date 7/8/2016 8:10:22 AM
PO Print Date 7/8/2016

Page Number 1 of 2

Order From :

VC-ROY001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

JUL 08 2016

Contact Name

Buyer

Chantal Lavoie

Vendor Phone

Customer POID

Customer Tax #

10127-2607

Ship To Contact

Terms

COD

Ship To Phone

Currency

CAD

Ship Via:

FedEx Overnight collect

FOB

Destination-Collect

Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	80944 AS PER DWG D5296 REV. A B148790	2" O/C Buckle	7/14/2016 Yes 7/14/2016	FN	40.00 Each	\$6.62	\$264.80
						Line Total:	\$264.80
2	81130 AS PER DWG D5296 REV. A B148489	1" O/C Buckle	7/14/2016 Yes 7/14/2016	FN	60.00 Each	\$6.62	\$396.90
						Line Total:	\$396.90
3	18460 AS PER DWG D5294 REV. A B148487	1" Snap Hook	7/14/2016 Yes 7/14/2016	FN	60.00 Each	\$2.03	\$121.50

PO Instructions: CTS CARGO TIE-DOWN

Note:

7/8/2016

SP/67-12

CTS



- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN

Cargo Tie-Down Specialty Inc.

160 Milner Avenue, Toronto, ON. M1S 3R3

Toll Free 1-888-412-7144 Tel: 416-412-7144 Fax: 416-412-7145

Website: www.ctscargotiedown.com E-Mail: sales@ctscargotiedown.com

GRIZZLYWEB

PACKING SLIP

ACCOUNT #	ORDER DATE	PACKING SLIP NO.
COD	7/8/2016	188584

BILL TO

SHIP TO

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

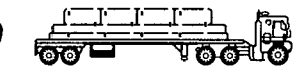
613 632 9577

PICKUP TIME:

P.O. NO.		ORDER BY	SHIP DATE	SHIP VIA	FOB	TERMS		REP		
PO32957		CHANTEL	7/8/2016	PUR#7684382	TORONTO	CREDIT CARD		HA		
TOTAL PKG	ITEM NUMBER	DESCRIPTION			QUANTITY ORDERED	QUANTITY SHIPPED	QTY B/O	UNIT	UNIT WT. (LBS)	BIN #
1	80944	2" OVERCENTER BUCKLE B/S: 4,400LBS			40	40 ✓	0	EA	0.73	C4-
1	81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS			60	60 ✓	0	EA	0.53	B3-
1	18460	1" SNAP HOOK, B/S: 3,000LBS, Y/Z ✓			60	60 ✓	0	EA	0.21	B7-
1	18420	2" TWISTED SNAP HOOK, B/S: 11,000LBS, Y/Z			80	80 ✓	0	EA	0.59	B3-
C OF C REQUIRED HST (ON) on sales										
SP/6-7-12										
BAG/REEL	BUNDLE	CARTON	SKID	DIMENSIONS	TOTAL WEIGHT (LBS)		RECEIVED BY		RECEIVED DATE	
		14			136					

Claims for shortages or defects must be made within 5 days after their arrival. After such time, the Buyers shall not be entitled to make any claim on account of shortages, defects or other cause.

CTS



Cargo Tie-Down Specialty Inc.

- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN • CARGO NET

160 Milner Avenue, Toronto, ON. M1S 3R3 CANADA

Tel: 416-412-7144 / 1-888-412-7144 (CAN/USA)

Fax: 416-412-7145

Website: www.ctscargotiedown.com

E-Mail: sales@ctscargotiedown.com



EVERY STRAP IS CUSTOM MAKE
WHATEVER YOU NEED, GET IT WITH SPEED
TOP QUALITY, NO COMPROMISE
Outlasts ordinary straps, get "GRIZZLYWEB" straps!

INVOICE

Invoice Date

Invoice #

7/8/2016

90633

Bill To

Ship To

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Customer Account No.	COD	Phone No.	613 632 9577	Fax No.		Ordered By	CHANTEL LA...
Packing Slip No.	P.O. No.	Terms	Rep.	Ship Date	Ship Via		
188584	PO32957	CREDIT CARD	HA	7/8/2016	PUR#7684382		
Item	Description	QUANTITY			Unit	Price	Amount
		Ordered	Shipped	B/O			
80944	2" OVERCENTER BUCKLE B/S: 4,400LBS	40	40	0	EA	6.62	264.80
81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS	60	60	0	EA	6.62	397.20
18460	1" SNAP HOOK, B/S:3,000LBS, Y/Z ✓	60	60	0	EA	2.03	✓ 121.80
18420	2" TWISTED SNAP HOOK, B/S:11,000LBS, Y/Z	80	80	0	EA	3.78	302.40
C OF C REQUIRED =====							
USE CREDIT CARD ENDING#4712							
SHIP DATE: JUL.08.2016 4 CARTONS = 136 LBS TRACKING#330784565799							
PAID ☐							
DEBIT _____ CASH _____							
VISA _____ AMEX _____							
MASTER _____ CHEQUE _____							
E-PAYMENT _____							

PAYMENT TERMS - For Customers with approved credit, payment terms are net 30 days from date of shipment. VISA, MASTERCARD and AMERICAN EXPRESS card orders are accepted.

RETURNS - If for any reason, you are dissatisfied with a product you receive from CTS, you may at any time within 5 days from your receipt of shipment return such goods for a full credit, exchange or refund. The return of custom and made-to order products is subject to the prior approval and restocking charges. Returned products must be shipped prepaid.

Subtotal CAD 1,086.20

HST/GST CAD 141.21

Total CAD 1,227.41

Payments/Credit CAD 0.00

Balance Due CAD 1,227.41

HST #896781127

Due Date

7/8/2016

Thank you for your order. We appreciate your business!



160 Milner Avenue, Toronto, ON M1S 3R3, CANADA
Tel: 416-412-7144 / 1-888-412-7144 Fax: 416-412-7145
Email: sales@ctscargotiedown.com
Website: www.ctscargotiedown.com

Customer Name	Purchase Order Number	Packing slip No.	Purchase Date (MM-DD-YYYY)
DART AEROSPACE	32957	188584	07-08-2016

Certificate of Compliance – Hardware/Webbing

Qty.	Item No.	Description	WORKING LOAD LIMIT (LBS)	BREAKING STRENGTH (LBS)	Country of Origin
40	80944	2" OVERCENTER BUCKLE B/S: 4,400LBS	1,466	4,400	CN
60	81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS	1,000	3,000	CN
60	18460	1" SNAP HOOK, B/S:3,000LBS, Y/Z	1,000	3,000	CN
80	18420	2" TWISTED SNAP HOOK, B/S:11,000LBS, Y/Z	3,666	11,000	CN